

INCH-POUND

A-A-55543A
2 May 2001
SUPERSEDING
A-A-55543
5 February 1999

COMMERCIAL ITEM DESCRIPTION

GUN, AIR BLOW, (BLAST CLEANING)

The General Services Administration has authorized the use of this Commercial Item Description (CID) for all federal agencies.

1. **SCOPE.** This CID covers the general requirements for Air Blow Guns for air blast cleaning. Air Blow Guns covered in this CID are intended for use in shop areas to remove chips, dirt and other waste material from machines, work pieces or benches.

2. **CLASSIFICATION.** The air blow gun shall conform to the following design, construction and size:

Table I. Size and Thread of Air Inlet

Dash No.	Dimension in Inch	Thread
A	0.250	18 NPT (internal thread)
B	0.375	18 NPT (internal thread)
C	0.250	18 NPS (external thread)

2.1 **Design and Construction.** Each gun shall consist of a body, a control valve, and a nozzle having an air opening. The gun shall be capable of providing for the automatic reduction of air in the nozzle to a pressure less than 30 psi. The control valve, which shall be easily operable with one hand and a minimum of hand pressure, shall permit the delivery of air for cleaning purposes in short blasts or in a continuous flow with the valve fully opened. Unless otherwise specified (see 7.2), the nozzle shall be detachable. The gun shall seal completely against the air flow at all operating pressures. For protection of the operator from chip fly-back, each gun type shall have either a nozzle capable of providing a cone of air around the main stream, or a shatter-proof, see-through chip guard attached near the tip (see 7.2).

2.2 **Size.** The air inlets of the guns shall be American Standard Taper Pipe Thread (NPT) or Straight Pipe Thread (NPS) as specified in Table I.

3. SALIENT CHARACTERISTICS.

3.1 **Type.** The guns shall be of three types, as specified below, and as described in Table I.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be sent to: Defense Supply Center Columbus, ATTN: DSCC-VAI, Columbus, Ohio 43216-5000.

FSC 4940

3.1.1 Type I, lever operated guns.

3.1.2 Lever over, shall be similar to Figure 1.

3.1.3 Type II, push-button operated guns.

3.1.4 Push button over, shall be similar to Figure 2.

3.1.5 Type III, Pistol operated design.

3.1.6 Pistol grip design, shall be similar to Figure 3.

4. REGULATORY REQUIREMENTS.

4.1 Recycled/Recovered Materials. The contractor is encouraged to use recovered materials to the maximum extent practical, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

4.2 Marking. The Air Blow Guns described by this CID shall be marked with:

- a. The CID Part Identification Number (PIN)
- b. The manufacturer's model number
- c. The manufacturer's serial number

4.3 Safety and Health Requirements. Safety devices shall be provided for the Gun where safety hazards are possible. Except as otherwise specified by the procuring activity, the Gun shall comply with OSHA Program Directive 100-1 (29CFR Part 1910.242 and OSHA Instruction STD 1-13.1). Exceptions and additional safety and health requirements shall be as specified (see 7.2).

5. QUALITY ASSURANCE PROVISIONS.

5.1 Product Conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Market Acceptance. The following market acceptance criteria are necessary to document the quality of the product to be provided under this CID.

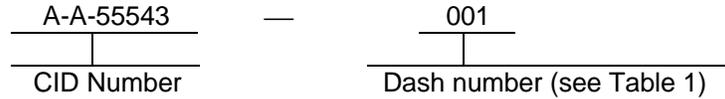
- a. The company producing the item must have been producing a product meeting the requirements of this CID for at least 2 years.
- b. The company must have sold 1,000 units meeting the requirements of this CID in the commercial market place or to the Government over the last two years.

6. PACKAGING.

6.1 Preservation, Packing and Marking. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES.

7.1 Part Identifying Number (PIN). The following part identification numbering procedure is for Government purposes and does not constitute a requirement for the contractor. This CID uses a classification system which is included in the PIN as shown in the following example.



7.2 Ordering Data. The contract or order should specify the following:

- a. CID document number, revision, and CID PIN (Type of gun required-See Table II)
- b. Size of air inlets or threads required (See 2.2)
- c. Packaging requirements
- d. Specific chip fly back protection if required (see 2.1)
- e. Exceptions, additional safety and health requirements

7.3 National Stock Numbers. The following NSNs correspond to this CID. The list is not indicative of all possible NSNs associated with this document.

Table II. Existing NSNs.

NSN	FEDERAL SPECIFICATION	CID NUMBER
4940-00-333-5541	GGG-770 Type 2 Class 1 Style A	A-A-55543-2-X
4940-01-103-2152	GGG-770 Type 1 Class 1 Style B	A-A-55543-1-X (without hanger)
4940-01-243-6484	GGG-770 Type 1 Class 1 Style A	A-A-55543-1-X
4940-00-272-6489	GGG-770 Type 1 Class 2 Style B	A-A-55543-1-X (lever under, without hanger)
4940-01-251-8552	GGG-770 Type 2 Class 3 Style A	A-A-55543-3-X

7.4 Commercial Products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that meet the requirements of this CID. (Note: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers addressed).

<u>Manufacturer's Cage</u>	<u>Manufacturer's Name and Address</u>
58277	Coilhose Pneumatics 200 A-Clay Avenue P.O. Box 309 Middlesex, N.J. 08846 (732) 752-5000
14127	Foster MFG. Co., Inc. 2324 W. Battlefield Rd. Springfield, MO 65807-4004 (417) 881-6600
94894	Milton Industries, Inc. 4500 W. Cortland Street Chicago, IL 60639-5105 (773) 235-9400

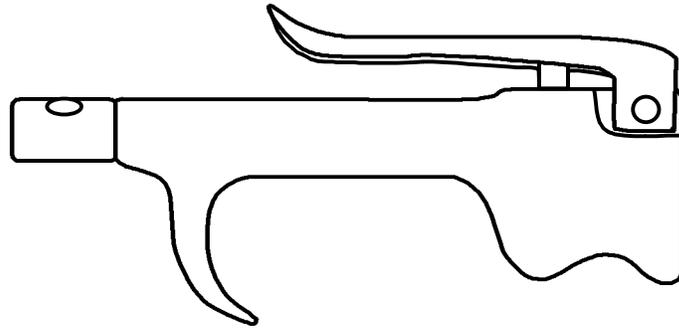


Figure 1. Type I, Lever Over

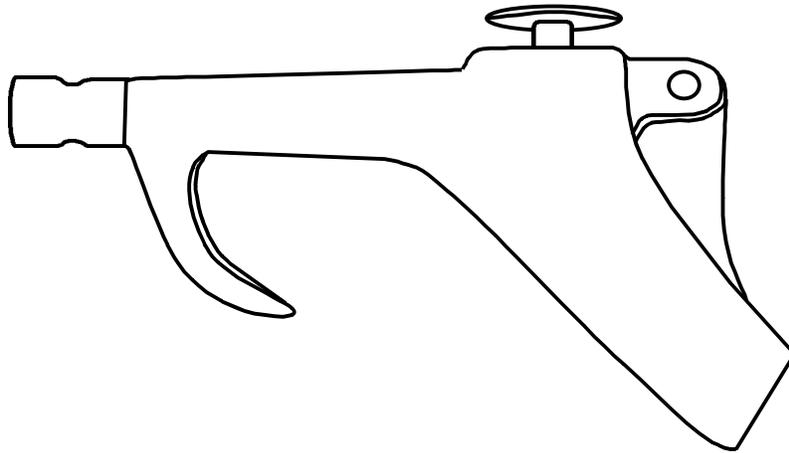


Figure 2. Type II, Push Button Over

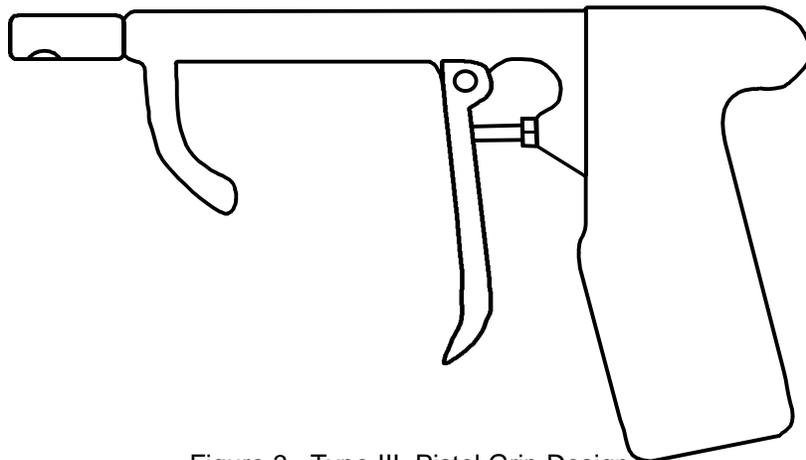


Figure 3. Type III, Pistol Grip Design

7.5 Government Users. To acquire information on obtaining these air blow guns from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CM, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7884.

7.6 Source for Reference Documents.

7.6.1 The OSHA Program Directive and Instruction are available from the office of Information and Consumer Affairs, Washington, DC 20210.

7.6.2 The Federal Acquisition Regulations (FAR) 23.403 may be obtained from the Superintendent of Documents, US Government Printing Office, Washington, DC 20402.

MILITARY INTERESTS:

Custodians:

Army - AR

Navy - AS

Air Force - 99

Review activity:

Air Force - 82

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FSS

Preparing activity:

DLA - CC

(Project 4940-0768)